MANITOBA SCHOOLS

HISTORIC AND FUTURE ENROLMENT

2014 to 2024

FOR DISCUSSION PURPOSES ONLY

MANITOBA
BUREAU OF STATISTICS

RIGHT ANSWERS

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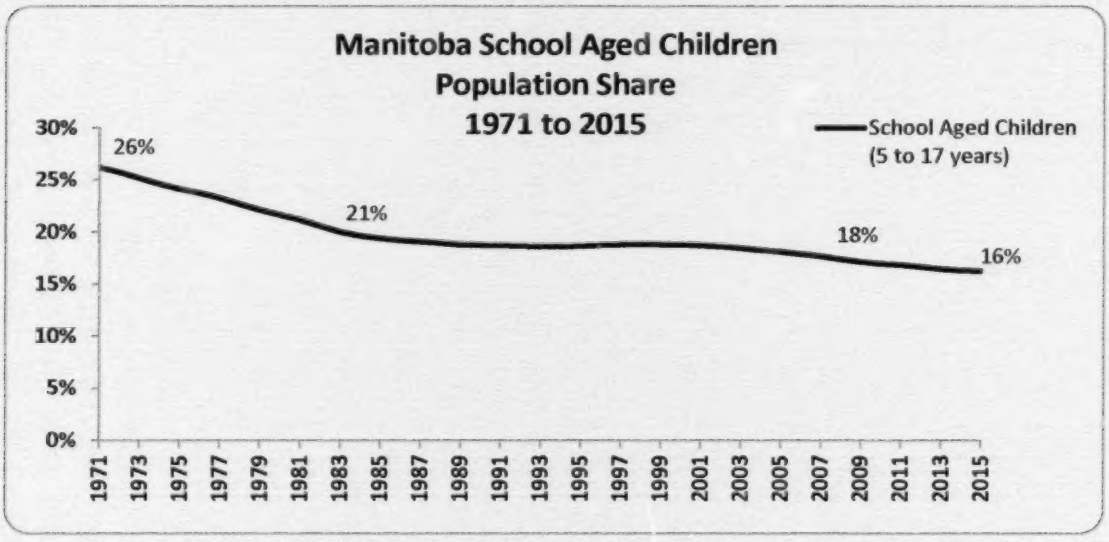
January 15, 2016

Introduction

The purpose of this analysis is to examine two components of school enrolment for the province of Manitoba. Firstly, the analysis examines current and historical levels of school enrolment for Manitoba and identifies contributing factors to possible declines or increases in the school enrolment populations. The second component is to project future enrolments for school age children between five to seventeen years of age. Historical enrolment data were compiled by the Schools' Finance Branch, Manitoba Education and Advanced Learning, while future data is derived from Manitoba Bureau of Statistics (MBS) population projections.

Manitoba Demography and School Enrolment

From 1982 to 2007, Manitoba's population saw an increase of 13.8%, while the number of school aged children saw a decline of 2.6%. Why is that? In 1982, persons aged 5 to 17 accounted for nearly 21% of Manitoba's population, while in 2007, this share dropped to about 18%. The proportions are a far cry from 1971, when about 26% of Manitobans were of school



age. As of 2014, this share is still in decline, sitting at about 16%.

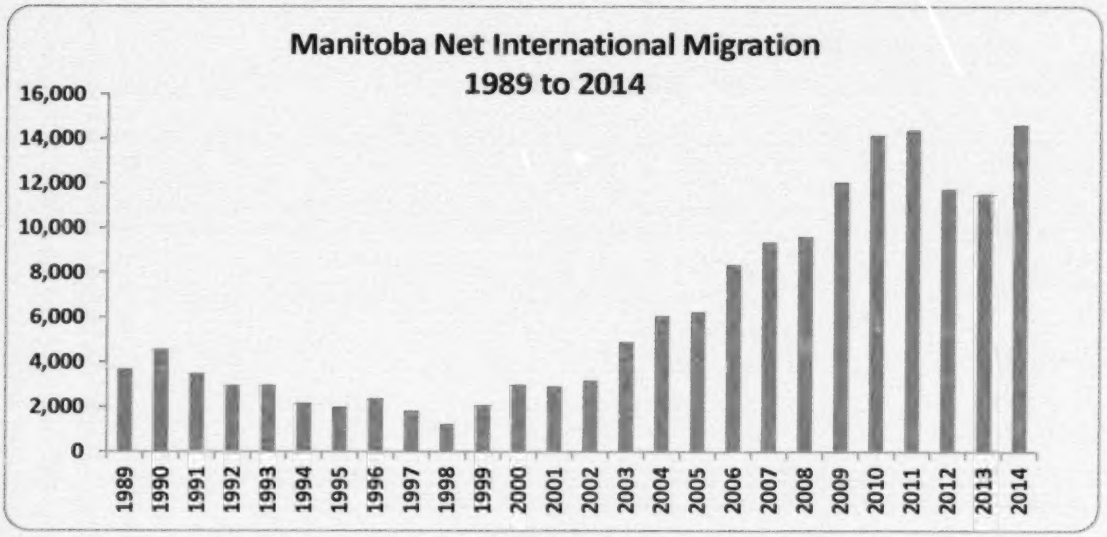
As a result of this historical decline in the population of school aged kids, total enrolment also declined from 209,874 students in 1982, to around 196,844 enrolled in 2007. This is a decrease of about 13,030 students or 6.2%. However, Manitoba's recent population growth, coupled by strong international immigration has slowly increased enrolment. In fact, since 2008, provincial enrolment numbers have increased 2.6%.

This slow and steady increase in school enrolment, in part, reflects an increasing school-age population, which Statistics Canada designates as persons 5 to 17 years of age.

Specifically, between 2008 and 2014, Manitoba's school-age population climbed to 4,227, an increase of 2.3% for the period.

Population Growth

Enrolment in Manitoba schools is increasing as a result of Manitoba's continued population growth. In 2014, Manitoba's population increased by 14,900 individuals, or 1.2% growth. Immigration continues to be the predominant factor in population growth, with Manitoba welcoming a record 16,224 immigrants during the 2014. Net international migration reached a



record-breaking 14,643 individuals in 2014. This is an increase of 26.9% from Manitoba's 11,535 migrants in 2013.

Strong birth numbers also continue to rise, adding to the overall population growth. In fact, the number of births for Manitoba reached 16,400 over 2014 and continues an upward trend that started in 2004 and leads to a natural increase (births minus deaths) of 5,700 for 2014. With all things being equal, continued growth on provincial population levels should see a similar increases in projected enrolment for school aged children as well.

Manitoba School Enrolment

The analysis contains enrolment summaries at the provincial level by grade. Enrolment is reported on the basis of the total number of pupils attending school on September 30 of a given year. However, for the purpose of this analysis, we compiled the enrolment data for pupils attending school between the ages of five and seventeen years of age. For this age group, on September 30, 2014 there were 188,750 enrolled in Manitoba schools, representing an increase of 1,368 pupils or 0.7% from enrolment on September 30, 2013. The tables below

illustrate changes in enrolment between 2008 and 2014 for aggregate ages. As indicated, we have grouped the school aged children into three categories to capture school aged children in the province including the following:

1) Elementary (ages 5 to 11)
2) Middle (ages 12 to 13)
3) Senior (ages 14 to 17)

Manitoba enrolment of school aged children, 2008 to 2014

Year	1-Elementary *(5 to 11)*	2-Middle *(12 to 13)*	3-Senior *(14 to 17)*	Total
2008	94,525	30,373	59,625	**184,523**
2009	95,172	29,575	59,790	**184,537**
2010	95,789	29,001	59,865	**184,655**
2011	97,534	29,185	59,376	**186,095**
2012	98,692	29,482	58,833	**187,007**
2013	100,028	29,352	58,002	**187,382**
2014	102,112	28,980	57,658	**188,750**

figures are as of July 1st for each year
Source: Prepared by the Manitoba Bureau of Statistics. Enrolment data compiled by the Schools' Finance Branch, Manitoba Education and Advanced Learning

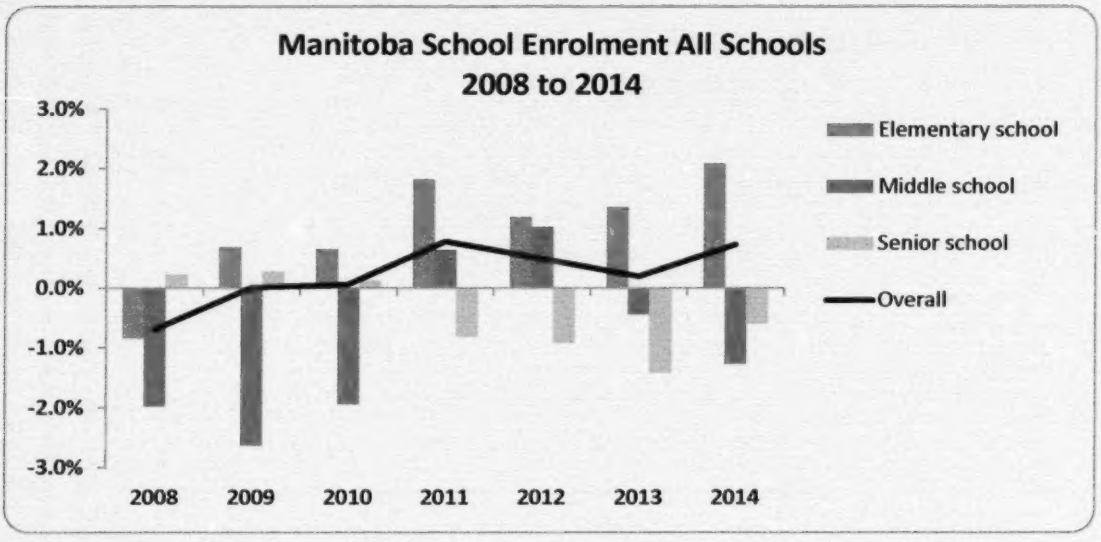
Year-over-year growth rates

Year	1-Elementary *(5 to 11)*	2-Middle *(12 to 13)*	3-Senior *(14 to 17)*	Total
2009	0.7%	-2.6%	0.3%	**0.0%**
2010	0.6%	-1.9%	0.1%	**0.1%**
2011	1.8%	0.6%	-0.8%	**0.8%**
2012	1.2%	1.0%	-0.9%	**0.5%**
2013	1.4%	-0.4%	-1.4%	**0.2%**
2014	2.1%	-1.3%	-0.6%	**0.7%**
2008 to 2014	8.0%	-4.6%	-3.3%	**2.3%**

Source: Prepared by the Manitoba Bureau of Statistics

2008 to 2014 Enrolment

As noted, population levels have increased as a result of immigration and births in Manitoba. When reviewing each of the three categories of school aged children (Elementary, Middle and Senior), we can see where increases and declines are occurring. For example, elementary school aged enrolment has actually increased 8.0% between 2008 and 2014. This increase has added 7,587 more students to Manitoba schools and is the main contributor for the overall 2.3% growth when combining all three school categories. Middle school enrolments have declined 4.6% for this period, showing the greatest enrolment decline of 1,393 students. Furthermore, senior school enrolments recorded 59,625 pupils in 2008 and have since dropped to 57,658 in 2014, or a 3.3% decline in enrolments. Although, declines have been observed in the middle and senior enrolments, the large increase in the enrolment population for elementary (8.0%) will shift over the next five to ten years, and improve enrolments in the middle and senior schools over the short and long term.



Projecting Future Enrolment

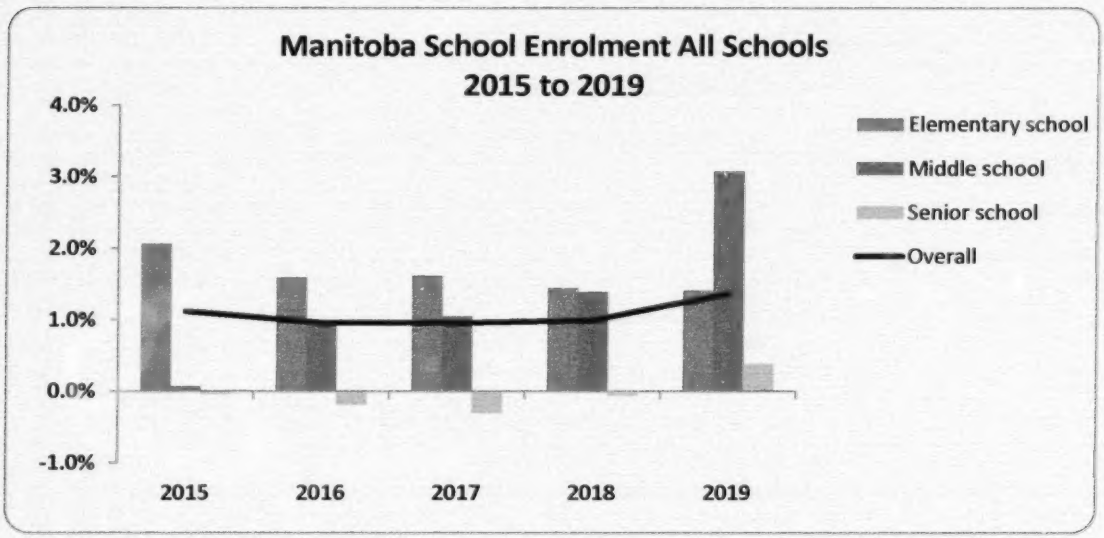
With the increasing population, it is safe to assume that Manitoba's student enrolment population for school aged children would also increase. For the purpose of this report, MBS projected the enrolment population for school aged children from 2015 to 2024 using MBS population projection (medium scenario) and current and historical provincial enrolment data. The Manitoba school enrolment projections method combines basic enrolment ratio information with population projections values for specific age groups.

Specifically, the projections is based on Manitoba Education enrolment figures for school years 2010 through 2014, Statistics Canada population estimates for those years, and MBS school-aged population projections to 2024. An average age ratio (percent population enrolled per individual age) was calculated for individual ages, which allowed MBS to project future

enrollment values using MBS population projection assumptions from 2015 to 2024. The overall age ratio of enrolled students to individual age population was approximately 90% between 2010 and 2014.

2015 to 2019 Enrolment (Short term)

Over the next five years, Manitoba school enrolment should start to see an increase of 5.5%, from 2014 levels. Elementary and Middle schools will see the most growth in enrolments, while senior schools will continue to show declines until the latter part of this period. Enrolment in



elementary schools should increase steadily over the five year period at an average of 1.6% per year, or 8,556 students. Middle schools will also increase by 1,938 students or 6.7% growth from 2014. Middle schools will see its largest population increase in 2019, when enrolments are projected to increase by 3.1%. This increase is substantial when considering the enrolment levels in 2014 declined 1.3%. Senior school enrolments are projected to be constant throughout this period, with a 0.2% decline from 2014 levels, or a drop of 104 students.

Manitoba projected enrolment of school aged children, 2015 to 2019

Year	1-Elementary *(5 to 11)*	2-Middle *(12 to 13)*	3-Senior *(14 to 17)*	Total
2015	104,219	29,001	57,638	**190,857**
2016	105,872	29,282	57,534	**192,688**
2017	107,577	29,588	57,364	**194,529**
2018	109,130	29,997	57,333	**196,461**
2019	110,668	30,918	57,554	**199,140**

Source: Prepared by the Manitoba Bureau of Statistics

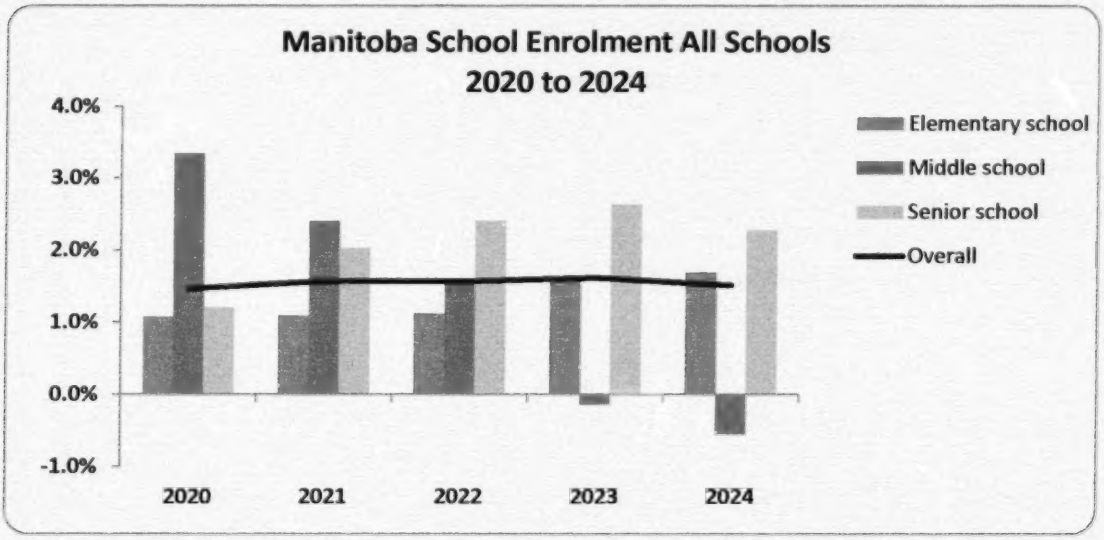
Year-over-year growth rates, 2015 to 2019

Year	1-Elementary *(5 to 11)*	2-Middle *(12 to 13)*	3-Senior *(14 to 17)*	Total
2015	2.1%	0.1%	0.0%	**1.1%**
2016	1.6%	1.0%	-0.2%	**1.0%**
2017	1.6%	1.0%	-0.3%	**1.0%**
2018	1.4%	1.4%	-0.1%	**1.0%**
2019	1.4%	3.1%	0.4%	**1.4%**
2014 to 2019	8.4%	6.7%	-0.2%	**5.5%**

Source: Prepared by the Manitoba Bureau of Statistics

2020 to 2024 Enrolment (Long term)

The long range projection for school enrolments should see a growth rate of almost fourteen percent (13.9%) between 2014 and 2024. It is expected that the total number of children enrolled between 2014 and 2024 will reach 26,257 in the province of Manitoba. The bulk of this will be in the elementary school aged children, combining for over half (55%) of the overall



enrolment population. Elementary enrolment is projected to climb 8.4% from 2020 to 2024. Enrolment between 2014 and 2024, however, is projected to increase to 17,972, or 15.7%. Middle schools will also see a large increase (13.8%) by adding 4,011 students between 2014 and 2024. Between 2020 and 2024, with and average growth rate of 1.3%, middle school enrolment is expected to increase by 6.7%.

Manitoba projected enrolment of school aged children, 2020 to 2024

Year	1-Elementary *(5 to 11)*	2-Middle *(12 to 13)*	3-Senior *(14 to 17)*	Total
2020	111,857	31,951	58,250	**202,058**
2021	113,078	32,717	59,431	**205,226**
2022	114,349	33,225	60,863	**208,437**
2023	116,163	33,176	62,466	**211,805**
2024	118,128	32,991	63,888	**215,007**

Source: Prepared by the Manitoba Bureau of Statistics

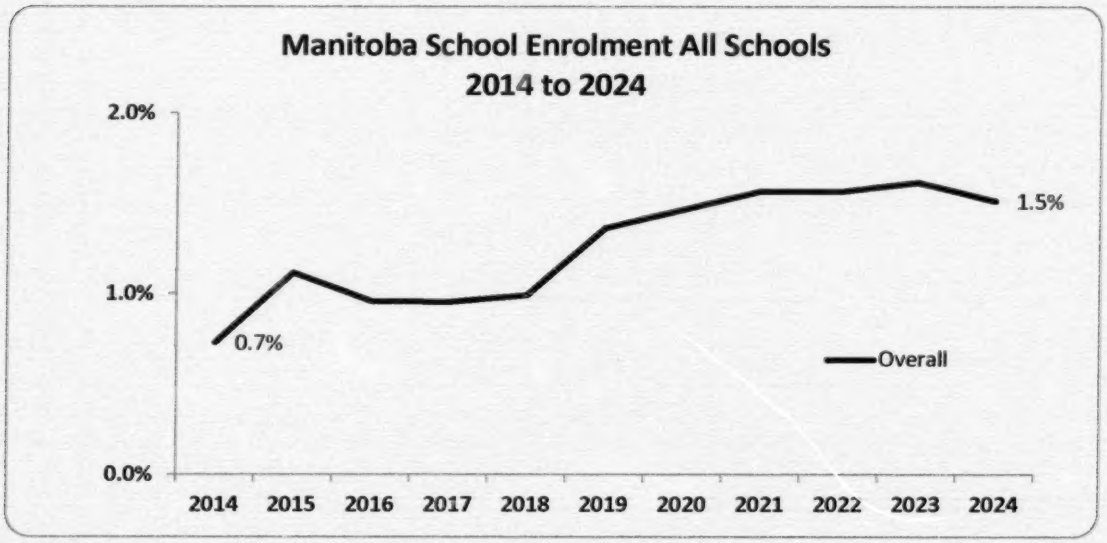
Year-over-year growth rates

Year	1-Elementary *(5 to 11)*	2-Middle *(12 to 13)*	3-Senior *(14 to 17)*	Total
2020	1.1%	3.3%	1.2%	**1.5%**
2021	1.1%	2.4%	2.0%	**1.6%**
2022	1.1%	1.6%	2.4%	**1.6%**
2023	1.6%	-0.1%	2.6%	**1.6%**
2024	1.7%	-0.6%	2.3%	**1.5%**
2014 to 2024	15.7%	13.8%	10.8%	**13.9%**

Source: Prepared by the Manitoba Bureau of Statistics

Summary

In summary, Manitoba's overall school enrolments will see an increase over the next ten years. This increase is based on steady population growth over the same period, which can only be



sustained through strong net migration levels and a higher number of births. The overall growth for school aged children in the province of Manitoba is projected to increase to almost 14 percent, with an average year to year increase of 1.3%. Growth in the short term (2015 to 2019) will be dominated by children in the 5 to 11 year old range. This elementary school age group should continue to move through all three school aged categories, producing temporary bulges in the student population, and then level to more sustained growth in the longer term (2020 to 2024).